

## **List of Current Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 10 (Cancelled).

11. (Previously presented) A method for manufacturing a measuring device for determining and/or monitoring a process variable of a medium in a container, the method comprising the steps of:

securing a mechanical oscillating unit via a securement to a sensor housing and/or to the container; and

exciting the mechanical oscillating unit to oscillate using a driver/receiver unit;

detecting reaction forces and/or reaction moments which act on the securement due to the oscillations of the mechanical oscillating unit using a force detection unit mechanically coupled to the securement;

issuing a report, when the reaction forces and/or reaction moments exceed predeterminable limit values; and

adjusting, when a report is issued, the mechanical oscillating unit with regard to its oscillation properties.

12. (Previously presented) An apparatus for adjusting a measuring device having a mechanical oscillating unit and a securement, the apparatus comprising:

at least one force detection unit; and

means for securing the measuring device to said at least one force detection unit such that the force detection unit, mechanically coupled to said securement in such a manner that it detects reaction forces and/or reaction moments, from the mechanical oscillating unit which act on said securement due

to the oscillations of the mechanical oscillating unit.

13. (Previously presented) The apparatus as claimed in claim 12, wherein:

said means for securing includes at least one force transmission unit, which is coupled with said securement and/or with a sensor housing and with said at least one force detection unit in such a manner that said at least one force detection unit detects, via said force transmission unit, reaction forces and/or reaction moments acting on said securement.

14. (Previously presented) The apparatus as claimed in claim 13, wherein:

said force transmission unit comprises a flange.

15. (Previously presented) A measuring device for determining and/or monitoring a process variable of a medium in a container, comprising:

a mechanical oscillating unit, which is secured via a securement to a sensor housing and/or to the container;

a driver/receiver unit, which excites said mechanical oscillating unit to oscillate; and

at least one force detection unit, mechanically coupled to said securement in such a manner that it detects reaction forces and/or reaction moments, which act on said securement due to the oscillations of said mechanical oscillating unit.

16. (Previously presented) The measuring device as claimed in claim 15, wherein:

said force detection unit is arranged in such a manner that it detects reaction forces and/or reaction moments along an axis essentially coinciding with an oscillation axis of said mechanical oscillating unit.

17. (Previously presented) The measuring device as claimed in claim 15, wherein:

said force detection unit comprises an acceleration sensor.

18. (Previously presented) The measuring device as claimed in claim 15, wherein:

said mechanical oscillating unit comprises an oscillatory fork.

19. (Previously presented) The measuring device as claimed in claim 15, wherein:

the mechanical oscillating unit comprises a single-rod.

Claim 20 (Cancelled).

21. (New) A measuring device for determining and/or monitoring a process variable of a medium in a container, comprising:

a mechanical oscillating unit, which is secured via a securement to a sensor housing and/or to the container;

a driver/receiver unit, which excites said mechanical oscillating unit to oscillate; and

at least one force detection unit, mechanically coupled to said securement in such a manner that it detects reaction forces and/or reaction moments, which act on said securement due to the oscillations of said mechanical oscillating unit,

the mechanical oscillating unit comprises a single-rod;

said mechanical oscillating unit comprises a single-rod having three oscillatory members; and

at least one oscillatory member is connected at a connecting region with said securement.